

IN THE CLAIMS:

Please cancel Claim 7 without prejudice or disclaimer of subject matter and amend the claims as shown below. The claims, as pending in the subject application, read as follows:

1. (Currently Amended) A photonic circuit board comprising:  
a sheet-shaped ~~two-dimensional~~ optical transmission medium for transmitting optical signals;  
a plurality of optical I/O devices connected to the sheet-shaped ~~two-dimensional~~ optical transmission medium;  
a reconfigurable integrated circuit connected to the plurality of optical I/O devices and a plurality of electronic devices;  
~~a group of electric wires connected to the reconfigurable integrated circuit, said electric wires being adapted for connecting a plurality of electronic devices to the reconfigurable integrated circuit; and~~  
a mediating device for transmitting a signal to the reconfigurable integrated circuit such that the reconfigurable integrated circuit changes a mode of connection among the plurality of electronic devices and the plurality of optical I/O devices in accordance with the signal.
2. (Currently Amended) A ~~photonic~~ circuit board according to claim 1, wherein the number of said optical I/O devices is smaller than the number of said

electronic devices to be connected.

3. (Currently Amended) A photonic circuit board according to claim 1, wherein said reconfigurable integrated circuit is formed by using a field programmable gate array.

4. (Currently Amended) A photonic circuit board according to claim 1, wherein said reconfigurable integrated circuit connects two or more electronic devices electric wires to a single optical I/O device.

5. (Cancelled).

6. (Currently Amended) A photonic circuit board according to claim 1, wherein said optical I/O devices are photonic ball ICs.

7. (Cancelled).